

AMENDMENTS TO THE ABSTRACT

Please substitute the following paragraph(s) for the abstract now appearing in the currently filed specification:

ABSTRACT

A wireless sensor device ~~of low energy consumption operates over a prolonged period of time for providing a reliable sensor result. The wireless sensor device includes~~ including a sensor configured to sense a target object and provide a sensor signal of varying levels indicative of condition of the target object, a signal processing circuit configured to amplify the sensor signal and ~~give~~ provide an amplified electric analog signal, and a detection circuit configured to receive the amplified analog signal and provide a detection output when the electric analog signal goes beyond a predetermined detection threshold. ~~Also included in the device is a~~ A radio transmitter which transmits a radio detection signal in response to the detection output. Further, ~~the device includes a~~ A power supply ~~is~~ configured to provide an electric power to the signal processing circuit and the radio transmitter~~[:]]~~ and includes a power generating element which converts an external energy into the electric power to be accumulated in the power supply. ~~The~~ A controller is ~~included to activate~~ activates the radio transmitter only in response to the detection output, permitting the radio transmitter to generate the radio detection signal. Thus, ~~the radio transmitter can be kept inactivated until receiving the detection output, thereby saving energy to prolong the operating life of the device.~~